

Gigabit forwarding, intelligent and easy to use —8 ports gigabit desktop switches SG80

The SG80 8-Port Desktop Gigabit Ethernet Switch, mini and exquisite, is especially designed for small-sized networking. It provides 8 10/100/1000Mbps auto-negotiation ports and supports auto MDI/MDIX. These Gigabit ports can be used not only as ordinary ports, but as Uplink ports connected to other networking devices. With SG80, you can make the power of Gigabit connectivity to eliminate bottlenecks, boost performance, and increase productivity, because the speed at each port can be up to 2000Mbps in full-duplex mode. Moreover, it can be set up easily and needs no network management. It is a perfect choice to improve the speed between different departments and servers.



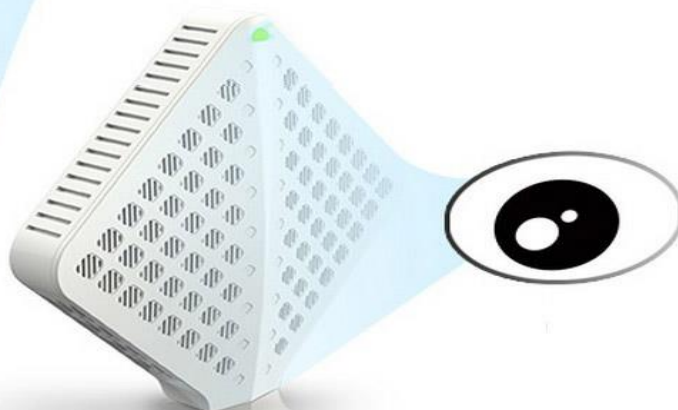
plug and play

it can be used directly when your line is connected, without special setup



intelligent recognition

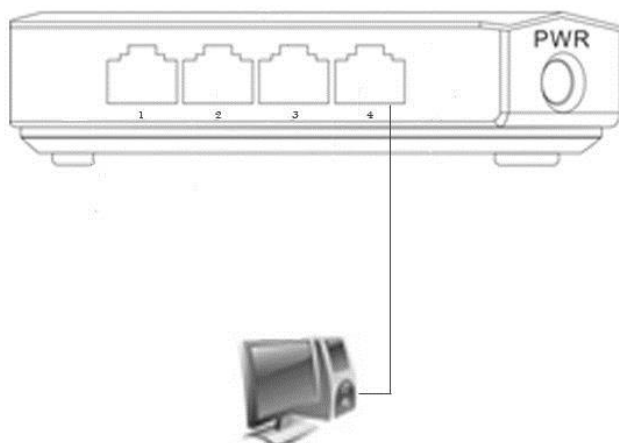
the ports can automatically identify the parallel line and intersecting line without pertinent setup



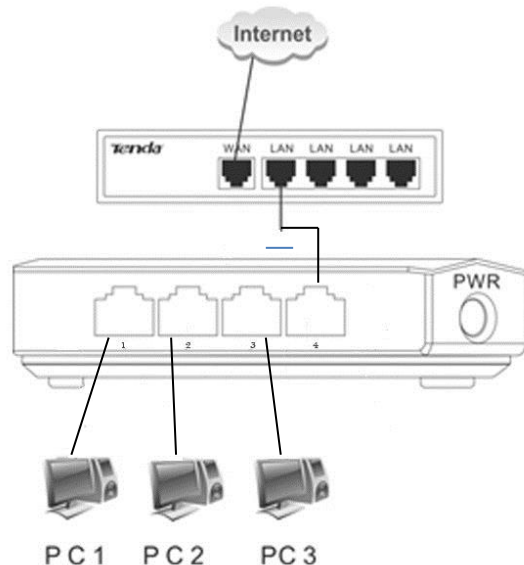
Main Features

- Complies with IEEE802.3, IEEE802.3u and IEEE802.3ab Ethernet standards
- Supports Auto MDI/MDIX on each port
- Supports NWAY Auto-Negotiation function
- Provides 8 10/100/1000Mbps Auto-Negotiation RJ-45 ports
- Supports IEEE802.3x flow control for full-duplex and Backpressure flow control for half-duplex
- Provides up to 10/16Gbps backplane bandwidth and non-blocking line speed forwarding
- Supports store-and-forward switching method
- Provides 4K MAC address entries and MAC address self-learning/auto-aging
- Desktop and mini plastic shell design

Usade scenarios 1



Usade scenarios 2



Specification

Standards	IEEE802.3 10Base-T Ethernet IEEE802.3u 100 Base-TX Fast Ethernet IEEE802.3ab Gigabit Ethernet 802.3x Flow control support for full-duplex
Protocol	CSMA/CD
Topology	Star
Network Cables	10 Base-T: Cat.3 UTP or above 100 Base-TX: Cat.5 UTP /STP 1000Base-T: Cat.5, Cat.5e or Cat.6 UTP/STP
Speed	10/100/1000Mbps
Transmission Method	Store-and-forward
MAC Address Table	4K entries
Packet Filtering/ Forwarding Rate	14880pps(10Mbps) per port
	148800pps(100Mbps) per port
	1488000pps(1000Mbps) per port
MAC Address Learning	Self-learning, auto-aging
Power	External universal power supply
DC Input	DC 9V 600mA
Power Consumption	2.9W(SG50)/3.9W(SG80)
Operating Temperature	0°C ~40°C
Storage Temperature	-40°C ~70°C
Operating Humidity	10%~90% RH no condensing
Storage Humidity	5%~90% RH no condensing

LED Designations

LED	Color	Status	Description
Power	Green	ON	Indicates a proper connection to the switch.
		OFF	Indicates no DC power device connected to the switch.
Link/act	Green	ON	Indicates a valid 10/100/1000Mbps link is established on the port.
		Blinking	Indicates packet transmission or reception is occurring on the port at 10/100/1000Mbps.
		OFF	Indicates the connection fails.